



DEPARTMENT OF THE INTERIOR

Fish and Wildlife Service

[FWS-R8-ES-2023-N040; FXES11130800000-234-FF08E00000]

Endangered and Threatened Species; Receipt of Recovery Permit Applications

AGENCY: Fish and Wildlife Service, Interior.

ACTION: Notice of receipt of permit applications; request for comments.

SUMMARY: We, the U.S. Fish and Wildlife Service, have received applications for permits to conduct activities intended to enhance the propagation or survival of endangered or threatened species under the Endangered Species Act. We invite the public and local, State, Tribal, and Federal agencies to comment on these applications. Before issuing any of the requested permits, we will take into consideration any information that we receive during the public comment period.

DATES: We must receive your written comments on or before [INSERT DATE 30 DAYS AFTER DATE OF PUBLICATION IN THE *FEDERAL REGISTER*].

ADDRESSES: *Document availability and comment submission:* Submit requests for copies of the applications and related documents and submit any comments by one of the following methods. All requests and comments should specify the applicant name(s) and application number(s) (*e.g.*, **XXXXXX** or **PER0001234**).

- *Email:* permitsR8ES@fws.gov.
- *U.S. Mail:* Susie Tharratt, Regional Recovery Permit Coordinator, U.S.

Fish and Wildlife Service, 2800 Cottage Way, Room W-2606, Sacramento, CA 95825.

FOR FURTHER INFORMATION CONTACT: Susie Tharratt, via phone at 916-414-6561, or via email at permitsR8ES@fws.gov. Individuals in the United States who are deaf, deafblind, hard of hearing, or have a speech disability may dial 711 (TTY, TDD, or TeleBraille) to access telecommunications relay services. Individuals outside the United

States should use the relay services offered within their country to make international calls to the point-of-contact in the United States.

SUPPLEMENTARY INFORMATION: We, the U.S. Fish and Wildlife Service, invite the public to comment on applications for permits under section 10(a)(1)(A) of the Endangered Species Act, as amended (ESA; 16 U.S.C. 1531 *et seq.*). The requested permits would allow the applicants to conduct activities intended to promote recovery of species that are listed as endangered or threatened under the ESA.

Background

With some exceptions, the ESA prohibits activities that constitute take of listed species unless a Federal permit is issued that allows such activity. The ESA's definition of "take" includes such activities as pursuing, harassing, trapping, capturing, or collecting, in addition to hunting, shooting, harming, wounding, or killing.

A recovery permit issued by us under section 10(a)(1)(A) of the ESA authorizes the permittee to conduct activities with endangered or threatened species for scientific purposes that promote recovery or for enhancement of propagation or survival of the species. These activities often include such prohibited actions as capture and collection. Our regulations implementing section 10(a)(1)(A) for these permits are found in the Code of Federal Regulations at 50 CFR 17.22 for endangered wildlife species, 50 CFR 17.32 for threatened wildlife species, 50 CFR 17.62 for endangered plant species, and 50 CFR 17.72 for threatened plant species.

Permit Applications Available for Review and Comment

Proposed activities in the following permit requests are for the recovery and enhancement of propagation or survival of the species in the wild. The ESA requires that we invite public comment before issuing these permits. Accordingly, we invite local, State, Tribal, and Federal agencies and the public to submit written data, views, or arguments with respect to these applications. The comments and recommendations that

will be most useful and likely to influence agency decisions are those supported by quantitative information or studies.

Application Number	Applicant, City, State	Species	Location	Take activity	Permit Action
42833A	Ian Maunsell, El Cajon, California	<ul style="list-style-type: none"> • Quino checkerspot butterfly (<i>Euphydryas editha quino</i>) • Light-footed Ridgway's rail (<i>Rallus obsoletus levipes</i>) • Yuma Ridgway's rail (<i>Rallus obsoletus yumanensis</i>) • Riverside fairy shrimp (<i>Streptocephalus woottoni</i>) • San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>) 	CA	Survey using recorded vocalizations, pursue, capture, handle, release, collect adult vouchers, and collect branchiopod cysts	Renew.
88417B	Phoenix Biological Consulting, Vista, California	<ul style="list-style-type: none"> • Giant kangaroo rat (<i>Dipodomys ingens</i>) • Tipton kangaroo rat (<i>Dipodomys nitratoides nitratoides</i>) • Southwestern willow flycatcher (<i>Empidonax traillii extimus</i>) • Yellow-billed cuckoo (<i>Coccyzus americanus</i>) Western distinct population segment 	CA, NV	Survey, survey using recorded vocalizations, capture, handle, and release	Renew.
59559C	McCormick Biological, Inc., Bakersfield, California	<ul style="list-style-type: none"> • California tiger salamander (<i>Ambystoma californiense</i>), Sonoma County and Santa Barbara County distinct population segments • Giant kangaroo rat (<i>Dipodomys ingens</i>) • Tipton kangaroo rat (<i>Dipodomys nitratoides nitratoides</i>) • Buena Vista Lake ornate shrew (<i>Sorex ornatus relictus</i>) 	CA	Survey, capture, handle, mark, tissue sample, relocate, and release, collect adult vouchers, and collect branchiopod cysts	Renew and amend.

		<ul style="list-style-type: none"> • Conservancy fairy shrimp (<i>Branchinecta conservatio</i>) • Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>) • Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>) • Riverside fairy shrimp (<i>Streptocephalus woottoni</i>) • San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>) 			
843381	Sonoma-Mendocino Coast District State Parks, Mendocino, California	<ul style="list-style-type: none"> • Point Arena mountain beaver (<i>Aplodontia rufa nigra</i>) • Behren's silverspot butterfly (<i>Speyeria zerene behrensii</i>) 	CA	Survey, pursue, and perform habitat restoration	Renew.
PER1628411	Mira Falicki, Santa Barbara, California	<ul style="list-style-type: none"> • California tiger salamander (<i>Ambystoma californiense</i>), Sonoma County and Santa Barbara County distinct population segments 	CA	Survey, capture, handle, and release	New.
050122	California Department of Fish and Wildlife, Bishop, California	<ul style="list-style-type: none"> • Sierra Nevada bighorn sheep (<i>Ovis canadensis sierrae</i>) 	CA	Survey, pursue, trap, capture, collect, handle, mark, collar, collect morphological data and biological samples, conduct ultrasounds, insert vaginal implant transmitters, wound administer veterinary care, release, euthanize, transport, translocate, and hold in captivity	Renew.

PER1628413	Mario Gaytan, Bakersfield, California	<ul style="list-style-type: none"> • Morro Bay kangaroo rat (<i>Dipodomys heermanni morroensis</i>) • Fresno kangaroo rat (<i>Dipodomys nitratoides exilis</i>) • Giant kangaroo rat (<i>Dipodomys ingens</i>) • Tipton kangaroo rat (<i>Dipodomys nitratoides nitratoides</i>) • Conservancy fairy shrimp (<i>Branchinecta conservatio</i>) • Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>) • Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>) • Riverside fairy shrimp (<i>Streptocephalus woottoni</i>) • San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>) 	CA	Survey, capture, handle, release, and collect adult vouchers	New.
59924C	Land Trust of Santa Cruz County, Santa Cruz, California	<ul style="list-style-type: none"> • Ohlone tiger beetle (<i>Cicindela ohlone</i>) 	CA	Survey, monitor populations, and conduct habitat restoration	Renew.
039460	Thomas Olson, Lompoc, California	<ul style="list-style-type: none"> • California tiger salamander (<i>Ambystoma californiense</i>), Santa Barbara County distinct population segments 	CA	Survey, capture, handle, release, collect genetic samples, and collect voucher specimens	Renew.
34570A	San Francisco Bay Bird Observatory, Milpitas, California	<ul style="list-style-type: none"> • California least tern (<i>Sternula antillarum browni</i>) 	CA	Survey, locate and monitor nests, monitor with cameras, trap, collect genetic samples, mark, float eggs, erect chick shelters, play audio,	Renew and amend.

				and place, maintain, and remove decoys	
96514A	Jonathan Aguayo, Buena Park, California	<ul style="list-style-type: none"> • El Segundo blue butterfly (<i>Euphilotes battoides allyni</i>) 	CA	Pursue	Amend.
782703	Michael Couffer, Corona Del Mar, California	<ul style="list-style-type: none"> • Quino checkerspot butterfly (<i>Euphydryas editha quino</i>) 	CA	Pursue	Renew.
PER2371117	Lora Roame, Walnut Creek, California	<ul style="list-style-type: none"> • Conservancy fairy shrimp (<i>Branchinecta conservatio</i>) • Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>) • Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>) • Riverside fairy shrimp (<i>Streptocephalus woottoni</i>) • San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>) 	CA	Survey, capture, handle, release, collect adult vouchers, and collect branchiopod cysts	New.
PER2372962	Danielle Temple, Crowley Lake, California	<ul style="list-style-type: none"> • Conservancy fairy shrimp (<i>Branchinecta conservatio</i>) • Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>) • Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>) • Riverside fairy shrimp (<i>Streptocephalus woottoni</i>) • San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>) 	CA	Survey, capture, handle, release, and collect adult vouchers.	New.
022227	Harry Smead, Escondido, California	<ul style="list-style-type: none"> • Conservancy fairy shrimp (<i>Branchinecta conservatio</i>) • Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>) • Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>) • Riverside fairy shrimp (<i>Streptocephalus woottoni</i>) 	CA	Survey, capture, handle, release, collect adult vouchers, and collect branchiopod cysts	Renew.

		<ul style="list-style-type: none"> San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>) 			
PER2421919	Patrick Kong, Fresno, California	<ul style="list-style-type: none"> Conservancy fairy shrimp (<i>Branchinecta conservatio</i>) Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>) Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>) Riverside fairy shrimp (<i>Streptocephalus woottoni</i>) San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>) 	CA	Survey, capture, handle, release, and collect adult vouchers	New.
117947	Kevin Clark, San Diego, California	<ul style="list-style-type: none"> California least tern (<i>Sternula antillarum browni</i>) 	CA	Survey, locate and monitor nests, handle, band, and release	Amend.
PER2422473	Wildlife Innovations, Inc., Lakeside, California	<ul style="list-style-type: none"> California least tern (<i>Sternula antillarum browni</i>) California Ridgway's rail (<i>Rallus obsoletus obsoletus</i>) Light-footed Ridgway's rail (<i>Rallus obsoletus levipes</i>) 	CA	Survey, locate and monitor nests, monitor with cameras, trap, collect genetic samples, mark, float eggs, erect chick shelters, play audio, capture, handle, measure, and relocate, band, place and maintain nest exclosures, and place, maintain, and remove decoys	New.
PER2423321	Ryan Anderson, Newport Beach, California	<ul style="list-style-type: none"> California tiger salamander (<i>Ambystoma californiense</i>), Sonoma County and Santa Barbara County distinct population segments 	CA	Survey, capture, handle, and release	New.

PER0011963	Ian Hirschler, San Diego, California	<ul style="list-style-type: none"> Delhi Sands flower-loving fly (<i>Rhaphiomidas terminatus abdominalis</i>) 	CA	Pursue	Amend.
PER2424938	Westland Resources, Inc., Tucson, Arizona	<ul style="list-style-type: none"> Tiehm's buckwheat (<i>Eriogonum tiehmii</i>) 	NV	Collect seeds, bulk seeds	New.
205600	Bonnie Peterson, Sacramento, California	<ul style="list-style-type: none"> Conservancy fairy shrimp (<i>Branchinecta conservatio</i>) Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>) Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>) Riverside fairy shrimp (<i>Streptocephalus woottoni</i>) San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>) 	CA	Survey, capture, handle, release, collect adult vouchers, and collect branchiopod cysts	Renew.
090849	David Wolff, Los Osos, California	<ul style="list-style-type: none"> Conservancy fairy shrimp (<i>Branchinecta conservatio</i>) Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>) Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>) Riverside fairy shrimp (<i>Streptocephalus woottoni</i>) San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>) 	CA	Survey, capture, handle, release, collect adult vouchers, and collect branchiopod cysts	Renew.
233373	MaryAnne Flett, Pt. Reyes Station, California	<ul style="list-style-type: none"> California Ridgway's rail (<i>Rallus obsoletus obsoletus</i>) 	CA	Survey using recorded vocalizations	Renew.
76005A	Tara Schoenwetter, Ventura, California	<ul style="list-style-type: none"> Gaviota tarplant (<i>Deinandra increscens ssp. villosa</i>) La Graciosa thistle (<i>Cirsium loncholepis</i>) Gambel's watercress (<i>Rorippa gambellii</i>) 	CA	Remove and reduce to possession, survey, capture, handle, release, collect adult vouchers, and collect branchiopod cysts	Renew.

		<ul style="list-style-type: none"> • Lompoc yerba santa (<i>Eriodictyon capitatum</i>) • Marsh Sandwort (<i>Arenaria paludicola</i>) • Conservancy fairy shrimp (<i>Branchinecta conservatio</i>) • Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>) • Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>) • Riverside fairy shrimp (<i>Streptocephalus woottoni</i>) • San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>) 			
60358C	California Department of Fish and Wildlife, San Diego, California	<ul style="list-style-type: none"> • Riverside fairy shrimp (<i>Streptocephalus woottoni</i>) • San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>) 	CA	Survey, capture, handle, release, and collect adult vouchers	Renew.
835365	California Department of Water Resources, West Sacramento, California	<ul style="list-style-type: none"> • Conservancy fairy shrimp (<i>Branchinecta conservatio</i>) • Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>) • Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>) • Riverside fairy shrimp (<i>Streptocephalus woottoni</i>) • San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>) • California Ridgway's rail (<i>Rallus obsoletus obsoletus</i>) • California tiger salamander (<i>Ambystoma californiense</i>), Sonoma County and Santa 	CA	Survey, survey using recorded vocalizations, handle, mark, release, use egg grids, collect adult vouchers, and collect branchiopod cysts	Renew.

		Barbara County distinct population segments <ul style="list-style-type: none"> • Salt marsh harvest mouse (<i>Reithrodontomys raviventris</i>) 			
54614A	California Department of Fish and Wildlife, Rancho Cordova, California	<ul style="list-style-type: none"> • Amargosa vole (<i>Microtus californicus scirpensis</i>) 	CA	Survey, capture, handle, collect, photograph, tag, mark, collect genetic samples, administer veterinary care, euthanize, remove from the wild, emergency salvage, transport, hold in captivity, captive rear, captive breed, conduct behavioral studies, release to the wild, translocate, use remote cameras, and monitor populations	Renew and amend.
59680C	Thea Wang, Glendale, California	<ul style="list-style-type: none"> • San Bernardino Merriam's kangaroo rat (<i>Dipodomys merriami parvus</i>) • Pacific pocket mouse (<i>Perognathus longimembris pacificus</i>) 	CA	Survey, capture, handle, and release	Renew.
72713C	Bradford Hollingsworth, San Diego, California	<ul style="list-style-type: none"> • Arroyo (=arroyo southwestern) toad (<i>Anaxyrus californicus</i>) 	CA	Survey, capture, handle, and release	Renew.
32290D	Michael Scaffidi, Davis, California	<ul style="list-style-type: none"> • Conservancy fairy shrimp (<i>Branchinecta conservatio</i>) • Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>) • Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>) 	CA	Survey, capture, handle, release, and collect adult vouchers	Renew.

		<ul style="list-style-type: none"> • Riverside fairy shrimp (<i>Streptocephalus woottoni</i>) • San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>) 			
019949	Vipul Joshi, Encinitas, California	<ul style="list-style-type: none"> • Quino checkerspot butterfly (<i>Euphydryas editha quino</i>) 	CA	Pursue	Renew.
089980	Hagar Environmental Science, Loch Lomond, California	<ul style="list-style-type: none"> • Tidewater goby (<i>Eucyclogobius newberryi</i>) 	CA	Survey, capture, handle, and release	Renew.
797234	LSA Associates, Inc., Point Richmond, California	<ul style="list-style-type: none"> • Conservancy fairy shrimp (<i>Branchinecta conservatio</i>) • Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>) • Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>) • Riverside fairy shrimp (<i>Streptocephalus woottoni</i>) • San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>) • California Ridgway's rail (<i>Rallus obsoletus obsoletus</i>) • California tiger salamander (<i>Ambystoma californiense</i>), Sonoma County and Santa Barbara County distinct population segments • California freshwater shrimp (<i>Syncaris pacifica</i>) • San Francisco garter snake (<i>Thamnophis sirtalis tetrataenia</i>) 	CA	Survey, survey using recorded vocalizations, capture, handle, mark, release, collect adult vouchers, collect branchiopod cysts, collect, process, and analyze vernal pool soil samples for the presence of resting eggs	Renew.
45250C	Griffin Brungraber, Bend, Oregon	<ul style="list-style-type: none"> • Quino checkerspot butterfly (<i>Euphydryas editha quino</i>) 	CA	Pursue	Renew.

24603A	Karen Carter, Running Springs, California	<ul style="list-style-type: none"> Yuma Ridgway's rail (<i>Rallus obsoletus yumanensis</i>) 	CA, NV	Survey using recorded vocalizations	Renew.
787924	Markus Spiegelberg, San Diego, California	<ul style="list-style-type: none"> Quino checkerspot butterfly (<i>Euphydryas editha quino</i>) 	CA	Pursue	Amend.
062907	Andrew Forde, Camarillo, California	<ul style="list-style-type: none"> Southwestern willow flycatcher (<i>Empidonax traillii extimus</i>) Arroyo (=arroyo southwestern) toad (<i>Anaxyrus californicus</i>) 	CA, NV	Survey using recorded vocalizations, survey, capture, handle, and release	Renew and amend.
082233	Marcus England, Los Angeles, California	<ul style="list-style-type: none"> Southwestern willow flycatcher (<i>Empidonax traillii extimus</i>) 	CA	Survey using recorded vocalizations	Renew.
839960	John Dicus, Black Canyon City, Arizona	<ul style="list-style-type: none"> Delhi Sands flower-loving fly (<i>Rhaphiomidas terminatus abdominalis</i>) Quino checkerspot butterfly (<i>Euphydryas editha quino</i>) 	CA	Pursue	Renew.
797267	Triple HS, Inc., Los Gatos, California	<ul style="list-style-type: none"> Conservancy fairy shrimp (<i>Branchinecta conservatio</i>) Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>) Vernal pool tadpole shrimp (<i>Lepidurus packardii</i>) Riverside fairy shrimp (<i>Streptocephalus woottoni</i>) San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>) California Ridgway's rail (<i>Rallus obsoletus obsoletus</i>) California tiger salamander (<i>Ambystoma californiense</i>), Sonoma County and Santa Barbara County distinct population segments 	CA	Survey, survey using recorded vocalizations, capture, handle, mark, release, collect adult vouchers, and collect branchiopod cysts	Renew.

		<ul style="list-style-type: none"> • Fresno kangaroo rat (<i>Dipodomys nitratooides exilis</i>) • Giant kangaroo rat (<i>Dipodomys ingens</i>) • Tipton kangaroo rat (<i>Dipodomys nitratooides nitratooides</i>) • Salt marsh harvest mouse (<i>Reithrodontomys raviventris</i>) 			
84156D	Stephen Gergeni, Sacramento, California	<ul style="list-style-type: none"> • California tiger salamander (<i>Ambystoma californiense</i>), Sonoma County and Santa Barbara County distinct population segments • Conservancy fairy shrimp (<i>Branchinecta conservatio</i>) • Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>) • Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>) • Riverside fairy shrimp (<i>Streptocephalus woottoni</i>) • San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>) 	CA	Survey, capture, handle, mark, release, collect adult vouchers, and collect branchiopod cysts	Renew and amend.
48210A	Area West Environmental, Inc., Orangevale, California	<ul style="list-style-type: none"> • California tiger salamander (<i>Ambystoma californiense</i>), Sonoma County and Santa Barbara County distinct population segments • Conservancy fairy shrimp (<i>Branchinecta conservatio</i>) • Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>) • Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>) • Riverside fairy shrimp (<i>Streptocephalus woottoni</i>) 	CA	Survey, capture, handle, collect genetic material, release, collect adult vouchers, and collect branchiopod cysts	Renew.

		<ul style="list-style-type: none"> San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>) 			
34132C	USDA Forest Service, Vallejo, California	<ul style="list-style-type: none"> Sierra Nevada yellow-legged frog (<i>Rana sierrae</i>) Mountain yellow-legged frog (<i>Rana muscosa</i>), Northern California distinct population segment 	CA, NV	Survey, capture, handle, measure, mark, transport, translocate, emergency salvage, and release	Renew.
777965	LSA Associates, Inc., Ventura, California	<ul style="list-style-type: none"> Conservancy fairy shrimp (<i>Branchinecta conservatio</i>) Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>) Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>) Riverside fairy shrimp (<i>Streptocephalus woottoni</i>) San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>) Fresno kangaroo rat (<i>Dipodomys nitratooides exilis</i>) Giant kangaroo rat (<i>Dipodomys ingens</i>) Tipton kangaroo rat (<i>Dipodomys nitratooides nitratooides</i>) San Bernardino Merriam's kangaroo rat (<i>Dipodomys merriami parvus</i>) Pacific pocket mouse (<i>Perognathus longimembris pacificus</i>) Southwestern willow flycatcher (<i>Empidonax traillii extimus</i>) 	CA	Survey, survey using recorded vocalizations, pursue, capture, handle, mark, release, collect adult vouchers, and collect branchiopod cysts	Renew.

		<ul style="list-style-type: none"> • Delhi Sands flower-loving fly (<i>Rhaphiomidas terminatus abdominalis</i>) • Quino checkerspot butterfly (<i>Euphydryas editha quino</i>) 			
006559	Dale Powell, Riverside, California	<ul style="list-style-type: none"> • Delhi Sands flower-loving fly (<i>Rhaphiomidas terminatus abdominalis</i>) • Quino checkerspot butterfly (<i>Euphydryas editha quino</i>) • Conservancy fairy shrimp (<i>Branchinecta conservatio</i>) • Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>) • Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>) • Riverside fairy shrimp (<i>Streptocephalus woottoni</i>) • San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>) 	CA	Survey, pursue, light-trap, capture, handle, mark, release, collect adult vouchers, and collect branchiopod cysts	Renew.
PER2380360	Sarah Yates, Clovis, California	<ul style="list-style-type: none"> • Conservancy fairy shrimp (<i>Branchinecta conservatio</i>) • Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>) • Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>) • Riverside fairy shrimp (<i>Streptocephalus woottoni</i>) • San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>) 	CA	Survey, capture, handle, mark, release, and collect adult vouchers	New.
PER2380694	Christopher Waterston, Santa Ana, California	<ul style="list-style-type: none"> • Conservancy fairy shrimp (<i>Branchinecta conservatio</i>) • Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>) 	CA	Survey, capture, handle, release, collect adult vouchers, and collect branchiopod cysts	New.

		<ul style="list-style-type: none"> • Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>) • Riverside fairy shrimp (<i>Streptocephalus woottoni</i>) • San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>) 			
PER2381586	National Park Service, El Portal, California	<ul style="list-style-type: none"> • Fisher (<i>Pekania pennanti</i>), Southern Sierra Nevada distinct population segment 	CA	Survey, capture, handle, mark, and release	New.
PER2383715	Calypso Botanical Consulting, Ashland, Oregon	<ul style="list-style-type: none"> • Conservancy fairy shrimp (<i>Branchinecta conservatio</i>) • Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>) • Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>) • Riverside fairy shrimp (<i>Streptocephalus woottoni</i>) • San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>) 	CA, OR	Survey, capture, handle, release, and collect adult vouchers	New.
92770B	Conservation Society of California, Oakland, California	<ul style="list-style-type: none"> • Sierra Nevada yellow-legged frog (<i>Rana sierrae</i>) • Mountain yellow-legged frog (<i>Rana muscosa</i>), Northern California distinct population segment 	CA	Transport, captive-rear, provide veterinary treatment and husbandry, take genetic samples, mark, perform behavioral and disease experiments, indefinitely retain and display to the public those individuals that are unfit for reintroduction into the wild, release, euthanize, and necropsy.	Renew.

PER2385052	Derek Siver, Seattle, Washington	<ul style="list-style-type: none"> • Conservancy fairy shrimp (<i>Branchinecta conservatio</i>) • Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>) • Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>) • Riverside fairy shrimp (<i>Streptocephalus woottoni</i>) • San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>) 	CA, OR	Survey, capture, handle, release, collect adult vouchers, and collect branchiopod cysts	New.
PER2385673	Jamie Del Pozzo, Pacific Grove, California	<ul style="list-style-type: none"> • California tiger salamander (<i>Ambystoma californiense</i>), Sonoma County and Santa Barbara County distinct population segments 	CA	Survey, capture, handle, and release.	New.
PER2385850	Lorna Haworth, Sacramento, California	<ul style="list-style-type: none"> • Conservancy fairy shrimp (<i>Branchinecta conservatio</i>) • Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>) • Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>) • Riverside fairy shrimp (<i>Streptocephalus woottoni</i>) • San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>) 	CA	Survey, capture, handle, release, and collect adult vouchers	New.
19843C	Jennifer Sexton, Simi Valley, California	<ul style="list-style-type: none"> • Southwestern willow flycatcher (<i>Empidonax traillii extimus</i>) 	CA	Survey using recorded vocalizations	Renew.
13115C	Lisa Henderson, San Ramon, California	<ul style="list-style-type: none"> • Conservancy fairy shrimp (<i>Branchinecta conservatio</i>) • Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>) • Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>) 	CA	Survey, capture, handle, release, and collect adult vouchers	Amend.

		<ul style="list-style-type: none"> • Riverside fairy shrimp (<i>Streptocephalus woottoni</i>) • San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>) 			
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Public Availability of Comments

Written comments we receive become part of the administrative record associated with this action. Before including your address, phone number, email address, or other personal identifying information in your comment, you should be aware that your entire comment—including your personal identifying information—may be made publicly available at any time. While you can request in your comment that we withhold your personal identifying information from public review, we cannot guarantee that we will be able to do so. All submissions from organizations or businesses, and from individuals identifying themselves as representatives or officials of be made available for public disclosure in their entirety.

Next Steps

If we decide to issue permits to any of the applicants listed in this notice, we will publish a notice in the *Federal Register*.

Authority

We publish this notice under section 10(c) of the Endangered Species Act of 1973, as amended (16 U.S.C. 1531 *et seq.*).

Peter Erickson,

*Acting Regional Ecological Services Program Manager,
Pacific Southwest Region,
Sacramento, California.*

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